IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An image processing system, comprising:

a client apparatus connected with a communication network, the client apparatus including

storage unit configured to store a reversible code which is obtained by reversibly compressing and coding an original image according to a predetermined coding algorithm having a hierarchy configuration from a reversible unit through a non-reversible unit;

an altering unit configured to generate, from the reversible code, a non-reversible code;

an editing unit configured to perform an editing operation on a non-reversible code image obtained from decoding the non-reversible code, to store the editing operation, and to reflect apply the editing operation [[to]] on the reversible code;

a transmission unit configured to transmit either the reversible or the non-reversible code, or an image obtained from decoding the reversible code or the non-reversible code, to a predetermined transmission destination;

a selecting unit configured to selectively perform transmission of the non-reversible code or the reversible code, or an image obtained from decoding the reversible code or the non-reversible code; and

a determining unit configured to determine whether contents of an operation of editing or modifying image data which are applied to the image data in a form of reversible code or the original image were should be performed by the client apparatus or by another external apparatus.

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Claim 2 (Previously Presented): The image processing system as claimed in claim 1, wherein:

the coding algorithm is a method according to JPEG 2000.

Claim 3 (Canceled).

Claim 4 (Previously Presented): The image processing system as claimed in claim 1, wherein:

the selecting unit is configured to transmit the reversible code having information indicating that contents of operation of editing or modifying image data are attached thereto.

Claim 5 (Previously Presented): The image processing system as claimed in claim 1, wherein:

the selecting unit, when a determination is made by said determining unit that the contents of operation of editing or modifying for the image data are actually reflected on the image data in the form of the reversible code or the original image by another external apparatus, is configured to transmit the reversible code having information indicating that the contents of operation of editing or modifying the image data are attached thereto.

Claim 6 (Previously Presented): The image processing system as claimed in claim 1, further comprising a server apparatus which is also connected with a predetermined communication network,

wherein:

when receiving information indicating contents of operation of editing or modifying image data is attached, the server apparatus is configured to perform processing of actually

reflecting the contents of operation of editing or modifying on the image data in the form of the reversible code or the original image according to the information received.

Claim 7 (Currently Amended): An image forming apparatus, comprising:

a coding unit configured to reversibly compress and code an original image according to a predetermined coding algorithm having a hierarchy configuration from a reversible unit through a non-reversible unit to generate a reversible code;

a storage unit configured to store the reversible code;

a decoding unit configured to decode the reversible code;

a printer engine configured to perform image formation on a medium based on a reversible code image;

an altering unit configured to generate a non-reversible code from the reversible code stored;

an editing unit configured to perform an editing operation on a non-reversible code image obtained from decoding the non-reversible code, to store the editing operation, and to apply reflect the editing operation [[to]] on the reversible code;

a transmission unit configured to transmit either the reversible or the non-reversible code, or an image of the reversible code or the non-reversible code obtained from decoding the reversible code or the non-reversible code by said decoding unit, to a predetermined transmission destination;

a selecting unit configured to selectively perform transmission of the non-reversible or reversible code, or the image obtained from decoding the reversible code or the non-reversible code; and

a determining unit configured to determine whether contents of an operation of editing or modifying image data which are applied to the image data in a form of reversible

code or the original image ~~were~~ <u>should be</u> performed by the image forming apparatus or by

another external apparatus.

Claim 8 (Previously Presented): The image forming apparatus as claimed in claim 7,

wherein:

said selecting unit is configured to transmit the image in the form of the reversible

code when the image data in the form of the reversible code is provided to the printer engine.

Claim 9 (Previously Presented): The image forming apparatus as claimed in claim 7,

wherein:

said selecting unit is configured to transmit the image in a form of the non-reversible

code when image data in the form of the non-reversible code is used for displaying the image

on a display device of either another external apparatus or the image forming apparatus for

the purpose of performing an operation of editing or modifying the image data.

Claim 10 (Previously Presented): The image forming apparatus as claimed in claim 7,

wherein:

said coding unit is configured to apply a method according to JPEG 2000 for the

predetermined coding algorithm.

Claim 11 (Previously Presented): The image forming apparatus as claimed in claim 7,

further comprising an image input device configured to read the original image, wherein:

said coding unit is configured to perform the compression and coding on an image

read in by said image input device.

Claim 12 (Currently Amended): A computer readable storage medium encoded with instructions, which when executed by a computer cause the computer to execute a method comprising:

storing a reversible code which is obtained by reversibly compressing and coding an original image according to a predetermined coding algorithm having a hierarchy configuration from a reversible unit through a non-reversible unit;

generating, from the reversible code, a non-reversible code;

performing an editing operation on a non-reversible code image obtained from decoding the non-reversible code;

storing the editing operation;

reflecting applying the editing operation [[to]] on the reversible code;

transmitting either the reversible or the non-reversible code, an image obtained from decoding the reversible code, or an image obtained from decoding the non-reversible code, to a predetermined transmission destination;

selectively performing transmission of the non-reversible code or the reversible code, the image obtained from decoding the reversible code or the image obtained from decoding the non-reversible code; and

determining whether contents of an operation of editing or modifying image data which are applied to the image data in a form of reversible code or the original image were should be performed by a client apparatus executing said method or by another external apparatus.

Claim 13 (Previously Presented): The computer readable storage medium as claimed in claim 12, wherein:

in said selectively performing transmission, the image in a form of the reversible code

is transmitted when it is provided for being used for printing processing.

Claim 14 (Previously Presented): The computer readable storage medium as claimed

in claim 12, wherein:

in said selectively performing transmission, the image in a form of the non-reversible

code is transmitted when it is used for displaying the image in a display device for the

purpose of performing an operation of editing or modifying image data.

Claim 15 (Previously Presented): The computer readable storage medium as claimed

in claim 12, wherein:

in said generating, a method according to JPEG 2000 is applied for the predetermined

coding algorithm.

Claims 16-19 (Canceled).

Claim 20 (Currently Amended): An image processing method, comprising:

storing a reversible code which is obtained by reversibly compressing and coding an

original image according to a predetermined coding algorithm having a hierarchy

configuration from a reversible unit through a non-reversible unit;

generating, from the reversible code, a non-reversible code;

performing an editing operation on a non-reversible code image obtained from

decoding the non-reversible code;

storing the editing operation;

applying reflecting the editing operation [[to]] on the reversible code;

transmitting either the reversible or the non-reversible code, a reversible code image

obtained from decoding the reversible code, or a non-reversible code image obtained from

decoding the non-reversible code, to a predetermined transmission destination;

selectively performing transmission of the non-reversible code or the reversible code,

the image obtained from decoding the reversible code or the image obtained from decoding

the non-reversible code; and

determining whether contents of an operation of editing or modifying image data

which are applied to the image data in a form of reversible code or the original image should

be ~~were~~ performed by a client apparatus executing said method or by another external

apparatus.

Claim 21 (Previously Presented): The image processing method as claimed in claim

20, wherein:

in said selectively performing transmission, the image in a form of the reversible code

is transmitted when it is provided for being used for printing processing.

Claim 22 (Previously Presented): The image processing method as claimed in claim

20, wherein:

in said selectively performing transmission, the image in a form of the non-reversible

code is transmitted when it is used for displaying the image in a display device for the

purpose of performing an operation of editing or modifying image data.

Claim 23 (Previously Presented): The image processing method as claimed in claim

20, wherein:

in said generating, a method according to JPEG 2000 is applied for the predetermined

coding algorithm.

Claim 24 (Currently Amended): An image processing method using a client

apparatus connected with a communication network, wherein:

the client performs:

storing a reversible code which is obtained by reversibly compressing and coding an

original image according to a predetermined coding algorithm having a hierarchy

configuration from a reversible unit through a non-reversible unit;

generating, from the reversible code, a non-reversible code;

performing an editing operation on a non-reversible code image obtained from

decoding the non-reversible code;

storing the editing operation;

applying reflecting the editing operation [[to]] on the reversible code;

transmitting either the reversible or the non-reversible code, or a reversible code

image obtained from decoding the reversible code, or a non-reversible code image obtained

from decoding the non-reversible code, to a predetermined transmission destination;

selectively performing transmission of the non-reversible code or the reversible code,

the image obtained from decoding the reversible code or the image obtained from decoding

the non-reversible code; and

determining whether contents of an operation of editing or modifying image data

which are applied to the image data in a form of reversible code or the original image were

should be performed by the client apparatus or by another external apparatus.

Claim 25 (Previously Presented): The image processing method as claimed in claim 24, wherein:

in said generating, a method according to JPEG 2000 is applied for the predetermined coding algorithm.

Claim 26 (Previously Presented): The image processing method as claimed in claim 24, wherein:

in said selectively performing transmission, the image in a form of the non-reversible code is performed when, in the client apparatus, the image is displayed with a use of the generated code transmitted, and therewith, operation of editing or modifying is performed on image data.

Claim 27 (Previously Presented): The image processing method as claimed in claim 24, wherein:

in said selectively performing transmission, the reversible code having information indicating that contents of operation of editing or modifying image data are attached thereto is transmitted.

Claim 28 (Previously Presented): The image processing method as claimed in claim 24, wherein:

in the selectively performing transmission, when a determination is made that the contents of the editing operation are actually reflected on the image data in the form of the reversible code or the original image by the another external apparatus, the reversible code having information indicating that the contents of operation of editing or modifying for the image data are attached thereto is transmitted.

Claim 29 (Previously Presented): The image processing method as claimed in claim 24, wherein:

when information indicating contents of the editing operation is received in a server apparatus which is also connected with the predetermined communication network from the client apparatus, processing actually reflecting the contents of operation of editing or modifying on the image data in the form of the reversible code or the original image according to the information received is performed.

Claim 30 (Previously Presented): The image processing system as claimed in claim 1, further comprising:

a decoding unit configured to decode all of the reversible code, and the editing unit is configured to apply the editing operation to an image obtained from decoding all of the reversible code.

Claim 31 (Previously Presented): The image processing system as claimed in claim 1, further comprising:

a decoding unit configured to decode less than all of the reversible code, and the editing unit is configured to apply the editing operation to an image obtained from decoding a portion of the reversible code.